

WHAT IS CLAIMED IS:

1. A data editing method for performing editing on binary data by using plural templates having keywords, comprising:

- 5 an assignment step of assigning each of plural binary data to one of said plural templates based on said keywords; and
- a construction step of, upon reproduction of said plural binary data by using said plural templates,
- 10 constructing reproduction data so as to reproduce said plural binary data in accordance with the result of assignment at said assignment step.

2. The data editing method according to claim 1, wherein
- 15 at said assignment step, each of said plural binary data is assigned to one of said plural templates, based on comparison between the keywords of said plural templates and keywords of said plural binary data.

- 20 3. The data editing method according to claim 2, wherein the keyword of said binary data is described in meta data added to each binary data.

4. The data editing method according to claim 1, wherein
- 25 said binary data is image data, and wherein at said assignment step, each of said plural binary data is

assigned to one of said plural templates, based on comparison between image feature amounts of the keywords of said plural templates and image feature amounts of keywords of said plural binary data.

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5. The data editing method according to claim 1, further comprising a designation step of designating one of plural themes to which different combinations of plural different templates are linked,

10 wherein at said assignment step, processing is performed by using plural templates linked to the theme designated at said designation step.

6. The data editing method according to claim 1, further comprising a designation step of designating a desired binary data group,

 wherein at said assignment step, processing is performed on respective binary data of the binary data group designated at said designation step.

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7. The data editing method according to claim 1, wherein each of said plural templates has a limitation number for assignment of binary data, and wherein at said assignment step, if binary data more than the limitation number of one template are assigned to the template, remaining binary data are assigned to a predetermined

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template among said plural templates.

8. The data editing method according to claim 7, wherein
at said assignment step, if binary data more than the
5 limitation number of one template are assigned to the
template, said predetermined template is newly generated,
and the remaining binary data are assigned to said
generated predetermined template.

10 9. The data editing method according to claim 7, wherein
each of said plural templates has plural keywords with
priorities, and wherein at said assignment step, binary
data corresponding to a high priority keyword is
assigned to each template.

15 10. The data editing method according to claim 1,
further comprising a deletion step of deleting a
template to which binary data has not been assigned at
said assignment step from said plural templates.

20 11. The data editing method according to claim 1,
further comprising:

a designation step of designating a template upon
reproduction of the reproduction data constructed at

25 said construction step; and

a reproduction step of reproducing the binary data

assigned to the templates at said assignment step by reproducing data on the template designated at said designation step from said reproduction data.

5 12. The data editing method according to claim 1,
wherein said binary data is moving image data, and
wherein at said construction step, the reproduction data
is constructed by describing a display description for
reproducing moving images assigned to the templates at
10 said assignment step in the templates.

13. The data editing method according to claim 12,
wherein at said construction step, if plural moving
image data are display-described in one template,
15 predetermined processing is performed on a joint between
the respective moving image data.

14. The data editing method according to claim 12,
wherein at said construction step, if plural moving
20 image data are display-described, display descriptions
are made so as to reproduce the respective moving image
data in time-sequential order by date of generation.

15. The data editing method according to claim 12,
25 wherein plural themes and plural templates are stored in
storage means, wherein plural templates to be used are

registered in each of said plural themes,

and wherein said method further comprises a selection step of selecting a desired one of said plural themes,

5 further wherein processings at said assignment step and said construction step are performed on plural templates registered in the theme selected at said selection step.

10 16. The data editing method according to claim 15, wherein at said construction step, display descriptions are made for the plural templates registered in the theme selected at said selection step, and arranges the result of these descriptions as one file.

15 17. The data editing method according to claim 12, further comprising a determination step of, if the moving image data is assigned to plural templates, determining only one template in which said moving image
20 data is display-described.

18. The data editing method according to claim 17, wherein at said determination step, a template, having another moving image data with a date of generation
25 closest to that of the moving image data display-described in the plural templates, is determined as said

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only one template.

19. The data editing method according to claim 12,
wherein said template is described in a data description
5 language.

20. The data editing method according to claim 12,
wherein said moving image data has meta data linked to
said moving image data, and wherein at said assignment
10 step, assignment of moving image data is performed by
searching for the meta data using said keyword.

21. The data editing method according to claim 20,
wherein said meta data is described in a data
15 description language.

22. The data editing method according to claim 12,
wherein said meta data is added to each partial data
divided from the moving image data, and wherein at said
20 assignment step, assignment to template is performed by
said partial data.

23. The data editing method according to claim 12,
wherein said assignment step has:
25 a conversion step of converting a keyword into an
image feature amount;

an acquisition step of acquiring an image feature amount from moving image data; and

- a search step of searching for a moving image corresponding to said keyword based on the image feature amount obtained at said conversion step and the image feature amount acquired at said acquisition step,
- and wherein the moving image found at said search step is assigned to the template.

24. The data editing method according to claim 23, wherein said image feature amount relates to location of color of image.

25. The data editing method according to claim 23, wherein said image feature amount is obtained from outline of object in the image.

26. The data editing method according to claim 12, wherein at said construction step, a title display is described in correspondence with said template.

27. The data editing method according to claim 15, wherein said theme includes a display description of title.

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28. A data editing apparatus for performing editing on

binary data, comprising:

storage means for storing plural templates having keywords;

assignment means for assigning each of plural
5 binary data to one of said plural templates based on said keywords; and

construction means for, upon reproduction of said plural binary data by using said plural templates, constructing reproduction data so as to reproduce said
10 plural binary data in accordance with the result of assignment by said assignment means.

29. The data editing apparatus according to claim 28, wherein said assignment means assigns each of said
15 plural binary data to one of said plural templates, based on comparison between the keywords of said plural templates and keywords of said plural binary data.

30. The data editing apparatus according to claim 29, wherein the keyword of said binary data is described in
20 meta data added to each binary data.

31. The data editing apparatus according to claim 28, wherein said binary data is image data, and wherein said
25 assignment means assigns each of said plural binary data to one of said plural templates, based on comparison

between image feature amounts of the keywords of said plural templates and image feature amounts of keywords of said plural binary data.

- 5 32. The data editing apparatus according to claim 28, further comprising designation means for designating one of plural themes to which different combinations of plural different templates are linked,

10 wherein said assignment means performs processing by using plural templates linked to the theme designated by said designation means.

33. The data editing apparatus according to claim 28, further comprising designation means designating a
15 desired binary data group,

wherein said assignment means performs processing on respective binary data of the binary data group designated by said designation means.

- 20 34. The data editing apparatus according to claim 28, wherein each of said plural templates has a limitation number for assignment of binary data, and wherein if binary data more than the limitation number of one template are assigned to the template, said assignment
25 means assigns remaining binary data to a predetermined template among said plural templates.

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35. The data editing apparatus according to claim 34,
wherein if binary data more than the limitation number
of one template are assigned to the template, said
5 assignment means newly generates said predetermined
template, and assigns the remaining binary data to said
generated predetermined template.

36. The data editing apparatus according to claim 34,
10 wherein each of said plural templates has plural
keywords with priorities, and wherein said assignment
means assigns binary data corresponding to a high
priority keyword to each template.

37. The data editing apparatus according to claim 28,
15 further comprising deletion means for deleting a
template to which binary data has not been assigned by
said assignment means from said plural templates.

38. The data editing apparatus according to claim 28,
20 further comprising:

designation means for designating a template upon
reproduction of the reproduction data constructed by
said construction means; and

25 reproduction means for reproducing the binary data
assigned to the templates by said assignment means by

reproducing data on the template designated by said designation means from said reproduction data.

39. The data editing apparatus according to claim 28,
5 wherein said binary data is moving image data, and wherein said construction means constructs the reproduction data by describing a display description for reproducing moving images assigned to the templates by said assignment means in the templates.

10 40. The data editing apparatus according to claim 39, wherein if plural moving image data are display-described in one template, said construction means performs predetermined processing on a joint between the
15 respective moving image data.

41. The data editing apparatus according to claim 39, wherein if plural moving image data are display-described, said construction means makes display
20 descriptions so as to reproduce the respective moving image data in time-sequential order by date of generation.

42. The data editing apparatus according to claim 39,
25 wherein plural themes and plural templates are stored in storage means, wherein plural templates to be used are

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registered in each of said plural themes,

and wherein said apparatus further comprises selection means for selecting a desired one of said plural themes,

5 further wherein said assignment means and said construction means perform processing on plural templates registered in the theme selected by said selection means.

10 43. The data editing apparatus according to claim 42, wherein said construction means makes display descriptions for the plural templates registered in the theme selected by said selection means, and arranges the result of these descriptions as one file.

15 44. The data editing apparatus according to claim 39, further comprising determination means for, if the moving image data is assigned to plural templates, determining only one template in which said moving image
20 data is display-described.

45. The data editing apparatus according to claim 44, wherein said determination means determines a template, having another moving image data with a date of
25 generation closest to that of the moving image data display-described in the plural templates, as said only

one template.

46. The data editing apparatus according to claim 39,
wherein said template is described in a data description
5 language.

47. The data editing apparatus according to claim 39,
wherein said moving image data has meta data linked to
said moving image data, and wherein said assignment
10 means performs assignment of moving image data by
searching for the meta data using said keyword.

48. The data editing apparatus according to claim 47,
wherein said meta data is described in a data
15 description language.

49. The data editing apparatus according to claim 39,
wherein said meta data is added to each partial data
divided from the moving image data, and wherein said
20 assignment means performs assignment to template by said
partial data.

50. The data editing apparatus according to claim 39,
wherein said assignment means has:
25 conversion means for converting a keyword into an
image feature amount;

acquisition means for acquiring an image feature amount from moving image data; and

search means for searching for a moving image corresponding to said keyword based on the image feature
5 amount obtained by said conversion means and the image feature amount acquired by said acquisition means,

and wherein the moving image found by said search means is assigned to the template.

10 51. The data editing apparatus according to claim 50, wherein said image feature amount relates to location of color of image.

52. The data editing apparatus according to claim 50,
15 wherein said image feature amount is obtained from outline of object in the image.

53. The data editing apparatus according to claim 39, wherein said construction means describes a title
20 display in correspondence with said template.

54. The data editing apparatus according to claim 42, wherein said theme includes a display description of title.

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55. A control program for executing data editing

processing by a computer for performing editing on
binary data by using plural templates having keywords,
wherein said control program comprising:

assignment process code for assigning each of
5 plural binary data to one of said plural templates based
on said keywords; and

construction process code for, upon reproduction
of said plural binary data by using said plural
templates, constructing reproduction data so as to
10 reproduce said plural binary data in accordance with the
result of assignment at said assignment process.

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